

Белки и белковые производные

Технические характеристики

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ALBUMIN BOVINE FRACTION V 98% (FOR MOLECULAR BIOLOGY)

Store at +2°C to +8°C ; (Nuclease and Protease free)

Product Code.	00092	Grade	For Molecular Biology
Purity	98%	CAS No.	90604-29-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	3502.90000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Creamish yellow powder	Odour	Odorless
pH value	4.8 - 7.5	Solubility in water [% weight]	Slightly soluble in water		

Packaging



Specification

Appearance	Pale yellow to greenish yellow to light brown crystalline powder
Assay	Min 98.0%
Nitrogen content (as N)	Min 15.5%
pH (1% solution in water)	6.5 - 7.5
Loss on drying	Max 5.0%

Safety Information and Hazard Symbols

ALBUMIN EGG (FLAKES)
(Store at 2-8oC)

Product Code.	00093	Grade	
Purity	Min 95%	CAS No.	9006-59-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	35021100.00000	Shelf Life	

Physical Properties

Packaging



Specification

Appearance	Yellow colored flakes
Assay (Protein)	Min. 95.0%
Acidity	30 ml N/1%
Ash	Max. 3.0%
Loss on drying	Max. 10.0%

Safety Information and Hazard Symbols

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ALBUMIN EGG POWDER

(Store at 2-8oC)

Product Code.	00094	Grade	
Purity		CAS No.	9006-59-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	3502.11000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Creamish white	Solubility in water [% weight]	Appreciable (> 10%)
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Packaging



Specification

Appearance	Creamish white free flowing powder
Taste & odour	Characteristic palatable & free from abnormal odours
pH (10% solution in water)	7.0 to 8.0
Moisture content	Max. 7.0%
Solubility (5% in water)	Clear to hazy
Protein	Min. 80.0%
Foaming ability	To satisfy the test
Microbial Limits	
Total Plate Count	Max. 25000/gm
Coliforms	Max. 10/gm
Yeast and mould count	Max. 50/gm
Salmonella species	Absent/10gm

BILIRUBIN 98.5% AR

Product Code.	0415A	Grade	AR
Purity	98.5%	CAS No.	635-65-4
Molecular Formula	C33H36N4O6	Molecular Weight	584.68
H.S.Code	2933.99000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Orange powder	Solubility in water [% weight]	Insoluble in water
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Packaging

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Specification

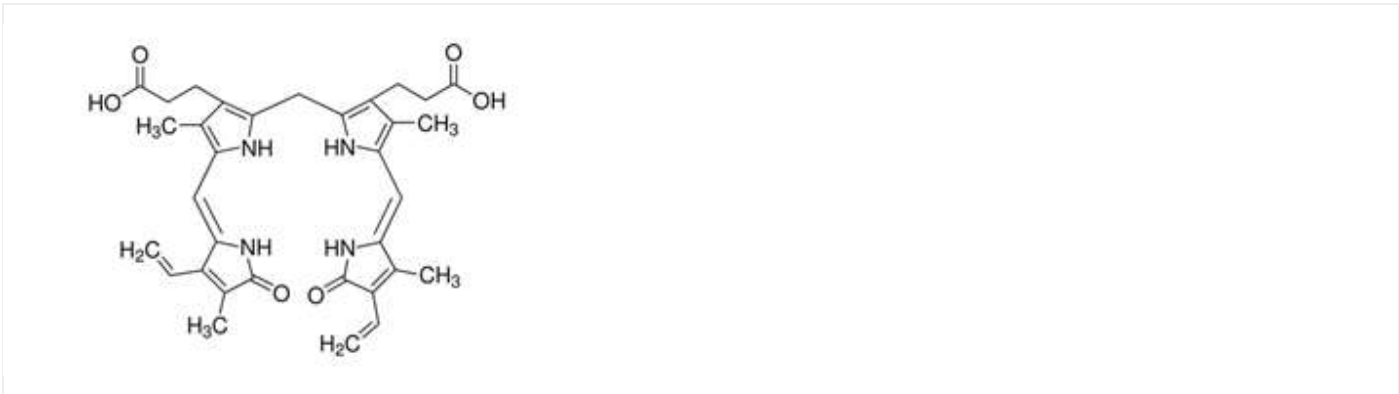
Appearance (Color)	Orange to red to brown
Appearance (Form)	Powder
Infrared spectrum	Conforms
UV spectrophotometry	>=98.5 %
UV Lambda max	450 to 454 nm (in CHCl3)
Molar absorption coefficient	>=59600 l/(mol.cm) (at Lambda max, in CHCl3)
Water	=<1 % (K.F.)

Safety Information and Hazard Symbols

BILIRUBIN AR

Hematoidin, Haematoidin.

Product Code.	00415	Grade	
Purity		CAS No.	635-65-4
Molecular Formula	C33H36N4O6	Molecular Weight	584.68
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange powder	Solubility in water [% weight]	Insoluble in water
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Packaging



Specification

Appearance	Orange to brown crystals or powder
Molar extinction at ~454 nm (in chloroform)	Min 56100
Loss on dryig (at 120°C; 2 hrs)	Max 0.5%
Residue on ignition	Max 0.5%

CASEIN (FAT FREE) EXTRAPURE

Product Code.	00699	Grade	
Purity		CAS No.	9000-71-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	3501.10000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Odorless
Melting point/ Freezing point [°C]	280 °C				

Packaging

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Specification

Appearance	Light brown or cream colored powder
Protein content (on dried basis)	80 - 95%
Glucose	Max 0.5%
Lactose	Max 1.0%
Free acid	Max 1 - 1.5%
Water soluble compounds	Max 3.0%
Fat content	0.5 - 1%
Loss on dryig (at 105°C; 4 hrs)	Max 7.0%

Safety Information and Hazard Symbols

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CASEIN (SOLUBLE) (LIGHT WHITE POWDER)

Product Code.	00698	Grade	
Purity		CAS No.	9000-71-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	35011000.00000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Odorless
Melting point/ Freezing point [°C]	280 °C				

Packaging



Specification

Appearance	Light brown powder
Solubility	Insoluble in water, soluble in alkali hydroxides, forming a cioudy solution
Nitrogen Content (on dried material)	Max 2.0%
Loss on drying (at 105°C)	Max 12.0%
Residue on ignition	Max 5.0%
Fat Content	Max 2.0%

Safety Information and Hazard Symbols

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CASEIN HYDROLYSATE (CASAMINO ACID)

Acid hydrolyzed,Casamino acid Tech

Product Code.	00696	Grade	
Purity		CAS No.	65072-00-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3501.10000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Odorless
Melting point/ Freezing point [°C]	280 °C				

Packaging

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Specification

Appearance	Light brown powder
Sodium chloride (NaCl)	~37.0%
Total nitrogen (N)	Min 8.0%
Ash content	~39.0%

Safety Information and Hazard Symbols

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CASEIN SOLUBLE IN ALKALI EXTRAPURE

Product Code.	00700	Grade	
Purity		CAS No.	9000-71-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	3501.10000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Odorless
Melting point/ Freezing point [°C]	280 °C				

Packaging

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Specification

Appearance	Light brown colored powder
Nitrogen (on dried material)	13.5 - 15.5%
Sulphated ash	3 - 6%
Moisture content	About 5%
Fat content	About 1.5%
Free Acid (as lactic acid)	About 1.5%
Suitability (for microbiology)	Passes test

Safety Information and Hazard Symbols

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GELATIN POWDER FOR BACTERIOLOGY

From cattle bone : 110/120 bloom

Product Code.	01272	Grade	For Bacteriology
Purity		CAS No.	9000-70-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	3503.00200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish brown	Odour	Musty odour
pH value	4 - 7 at 66.7 g/l at 60 °C	Density [g/cm3]	1.2	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	Light amber to yellowish brown translucent flakes, powder or granules
Loss on drying	Max 15.0%
Identification	Passes test
Appearance of solution (1% solution in water)	Passes IP test
Zinc (Zn)	Max 0.003%
Chromium (Cr)	Max 0.001%
Iron (Fe)	Max 0.001%
Conductivity (1% solution in water at 30+/- 1°C)	Max 1 mS cm-1
Microbial contamination	Passes IP test
Peroxide (as H2O2)	Max 0.001%
Sulphur dioxide (SO2)	Max 0.005%

Safety Information and Hazard Symbols

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HEMOGLOBIN POWDER

Suitable for use as protease substrate. Store at 2-8 deg C. Hb Powder

Product Code.	01328	Grade	
Purity		CAS No.	9008-02-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	3002.10990	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown powder
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Packaging

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Specification

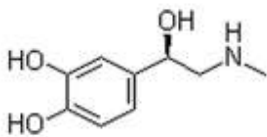
Appearance	Dark brown powder
Insoluble matter in water	Passes test
pH (5 % solution)	7.5 - 8.5
Loss on drying (at 105°C)	Max 5%

Safety Information and Hazard Symbols

L-ADRENALINE 98.5% AR

L-Epinephrine

Product Code.	00077	Grade	
Purity	Min. 98.5%	CAS No.	51-43-4
Molecular Formula	C9H13NO3	Molecular Weight	183.21
H.S.Code	2937.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light brown	Melting point/ Freezing point [°C]	215 °C
Decomposition point [°C]	> 212°C	Solubility in water [% weight]	Slightly soluble		

Packaging



Specification

Appearance	White to light beige powder
Assay (by HClO4 titration; on anhydrous basis)	Min 98.5%
Identity (IR)	Conforms to structure
Loss on drying (18 hrs; 0.7 kPa;P2O5)	Max 1.0 %

Sulphated ash	Max 0.1%
Specific optical rotation ($[\alpha]_{20/D}$; c=4; 1 M HCl; on dried substance)	-50° to -53°

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301-H310-H331

Precaution Statement: P261-P280-P301 + P310-P302 + P350-P310

PEPTONE GRANULAR FOR MICROBIOLOGY

Obtained from enzymatic digestion of meat.

Product Code.	01953	Grade	for Microbiology
Purity		CAS No.	73049-73-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	3504.00100	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark cream powder	Odour	Odorless
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Packaging

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Specification

Appearance	Yellow to brown colored granules/powder
pH (2% solution)	6.0 - 7.5
Loss on drying	Max 6.0%
Total nitrogen (N)	Min 13.5%
Amino nitrogen	Min 3.5%
Residue on ignition	Max 15.0%
Growth promotion test for pathogens	Satisfactory
Total viable count	Max10,000 CFU/gram
Yeast and mould count	100 CFU/gm
E.coli	Absent/gm
Salmonella species	Absent/gm
Pseudomonas	Absent/gm

Safety Information and Hazard Symbols

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PEPTONE POWDER BACTERIOLOGICAL

Obtained from enzymatic digestion of meat.

Product Code.	01952	Grade	Bacteriological
Purity		CAS No.	73049-73-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	3504.00100	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark cream powder	Odour	Odorless
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Packaging

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Specification

Appearance	Yellow to brown colored powder
pH (2% solution)	6.10 to 7.10
Loss on drying	Max 6.0%
Total nitrogen (N)	Min 13.5%
Amino nitrogen	Min 3.5%
Residue on ignition	Max 15.0%
Growth promotion test for pathogens	Satisfactory
Total viable count	Max 10000 CFU/gram
Yeast and mould count	Max 100 CFU/gm
E.coli.	Absent/gm
Salmonella species	Absent/gm
Pseudomonas	Absent/gm

Safety Information and Hazard Symbols

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PROTEOSE PEPTONE

Culture media ingredient A specialised protein digest containing proteoses, peptones and amino acids.

Product Code.	02219	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3504.00100	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder	Odour	Characteristic odour
pH value	7 at 10 g/l at 25 °C				

Packaging

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Specification

Appearance	Light brown colored powder
Total nitrogen (N)	Min 10%
Loss on drying (at 105°C)	Max 6%
Residue on ignition	Max 20%
pH (2% solution)	6.0 - 8.0 (at 25°C)

Safety Information and Hazard Symbols

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SODIUM DEOXYCHOLATE 90% EXTRAPURE

Deoxycholic acid sodium salt ; culture media additive

Product Code.	02398	Grade	
Purity	90%	CAS No.	302-95-4
Molecular Formula	C24H39O4Na	Molecular Weight	414.55
H.S.Code	2923.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	7 - 10	Melting point/ Freezing point [°C]	357 - 365°C	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	White powder
Assay (ex Na; on anhydrous basis)	Min 90%
pH (10% solution in water)	7 - 10

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H335 Precaution Statement: P261

SOYA PEPTONE (SOYATONE) EXTRA PURE

Soyatone ; papaic digest of soyabena meal

Product Code.	02545	Grade	Extra Pure
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3504.00100	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	pH value	6 - 8 at 2 g/l at 25 °C
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Packaging

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Specification

Appearance	Cream to beige colored powder
pH (2% solution in water)	6.5-7.5
Total nitrogen (N)	Min 7.0%
Loss on drying (at 105°C)	Max 8.0%
Residue on ignition (as SO4)	Max 15.0%

Safety Information and Hazard Symbols

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SOYABEAN MEAL (DEFATTED) EXTRA PURE

Urease activity 25 mg hydrolyses not less than 7.5 mg urea in 30 minutes at 35 deg C.

Product Code.	02544	Grade	
Purity		CAS No.	68513-95-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	2106.10000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder
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Packaging

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Specification

Appearance	Cream colored powder
Protein content	Min 40.0%

Safety Information and Hazard Symbols

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TRYPTONE BACTERIOLOGICAL

Peptone from casein ; (pancreatic digestion of casein)

Product Code.	02792	Grade	Bacteriological
Purity		CAS No.	91079-40-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	3501.90000	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Light yellow colored powder
Solubility (10 mg/mL in water)	completely soluble with Clear solution
pH (2% solution in water)	6.5 - 7.5
Total nitrogen (N)	Min 12.5%
Loss on drying (at 105°C)	Max 5.0%

Safety Information and Hazard Symbols

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TRYPTOSE BACTERIOLOGICAL

A mixed peptone, obtained from animal and vegetable proteins. Peptone from protein mixture; tryptic digest; Trypto-peptone

Product Code.	02795	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3504.00100	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder	Odour	Odorless
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Specification

Appearance	Light yellow to yellow free flowing powder
Solubility	Freely soluble in distilled /purified water , insoluble in alcohol
Clarity of solution	1% w/v aqueous solution is clear without haziness after autoclaving at 15 lbs pressure (at 121°C) for 15 mins
pH (2% w/v solution in water)	6.20 - 7.20
Total nitrogen (N)	Min 12.0%
Amino nitrogen	Min 3.0%
Sodium chloride (NaCl)	Max 6.0%
Loss on drying	Max 6.0%
Residue on ignition	Max 17.0%
Microbial Limits	
Total aerobic plate count	Max 2000 CFU/gm
Total yeast and mould conut	Max 100 CFU/gm
Test for pathogens	
E.coli.	Negative in 10 gm of sample
Salmonella species	Negative in 10 gms of sample
Pseudomonas aeruginosa	Negative in 10 gms of sample
Staphylococcus aureus	Negative in 10 gms of sample

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